## BRUHAT BENGALURU MAHANAGARA PALIKE

### Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

### MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 1

Item Name: KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.2.-d o -i) Lime/Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. **(Page no. 139: item 18.18 P.W.D. SR-2018-19)**

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | **Existing School Building** | | | | | | | |
| | **slab** | | | | | | | |
| | 0 to 30 | Cum | 1 | 2 | 30.00 | 9.00 | 0.15 | 81.00 |
| | 30 to 40 | Cum | 1 | 2 | 10.00 | 9.00 | 0.15 | 27.00 |
| | Sajja's | Cum | 1 | 8 | 0.60 | 0.30 | 0.15 | 0.22 |
| | Staircase Steps | Cum | 1 | 12.0 | 0.90 | 0.23 | 0.15 | 0.37 |
| | Weist Slab | Cum | 1 | 2.0 | 3.5 | 0.9 | 0.15 | 0.95 |
| | Parapete Staircase | Cum | 1 | 4.0 | 3.5 | 0.9 | 0.15 | 1.89 |
| | **Flooring** | | | | | | | |
| | 0 to 30 | Cum | 1 | 1.0 | 30.0 | 9.0 | 0.15 | 40.50 |
| | 30 to 40 | Cum | 1 | 1.0 | 10.0 | 9.0 | 0.15 | 13.50 |
| | Column | Cum | 1 | 22.0 | 0.45 | 0.23 | 7.15 | 16.28 |
| | | | | | | | **Total Qty** | 181.70 |

For M/s. K DAMODAR & Co

D. MANJUNATH
Contractor Partner

Consultants

Assistant Engineer
Ward No-16
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

MEASUREMENT SHEET

| Bill No : | 1st RA bill | 24/08/2021 |
|---|---|---|
| Item No | 2 | |
| Item Name | KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications,KSRRB M200-14.2. -d o - Dismantling brick/Tile work B. In cement mortar. **(Page no. 139: item 18.23 P.W.D. SR-2018-19)** | |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | **Existing School Building** | | | | | | | |
| | long Wall | | | | | | | |
| | 0 to 30 | Cum | 1 | 2 | 30.00 | 0.23 | 7.15 | 98.67 |
| | 30 to 40 | Cum | 1 | 2 | 10.00 | 0.23 | 7.15 | 32.89 |
| | Short Wall | Cum | 1 | 5 | 8.00 | 0.23 | 7.15 | 65.78 |
| | | | | | | **Total Qty** | | 197.34 |

For M/s. K. DAMODAR & Co.

Contractor

Managing Partner

Assistant Engineer
Ward No-16,
BBMP

Consultants

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

MEASUREMENT SHEET

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bill No : | | 1st RA bill | | | | | | | |
| Item No | 3 | | | | | | | | |
| Item Name | KSRB 200-7.1 : Clearing grass and removal of rubbish by manual means and stacking out side the periphery of the area cleaned as per specifications. MORTH Specification No.201 (Page no. 138: Item 18.10 P.W.D. SR-2018-19) | | | | | | | | |
| S.N | Description of work | Unit | No | No | L | B | D | Qty | |
| | Building Area | | | | | | | | |
| | 0 to 30 | HA | 1 | 1 | 30 | 30 | | 900 | |
| | 30 to 50 | HA | 1 | 1 | 30 | 20 | | 600 | |
| | | | | | | | Qty | 1500 | |
| | | | | | | | sq.m/10000 | 0.15 | |
| | | | | | | Total Qty | | 0.15 | |

For M/s. K. DAMODAR & Co

D. MANJUNATH
Managing Partner

Contactor

Consultants

4/9/21

Assitant Engineer
Ward No-16,
BBMP

4/9/21

Assistant Executive Engineer
Yeshvanthapura Sub-Division
BBMP



Scanned with CamScanner

# BRUHAT BENGALURU MAHANAGARA PALIKE

## Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

## MEASUREMENT SHEET

| Bill No : | 1st RA bill | 7/9/2021 |
|---|---|---|
| Item No | 5 | |
| Item Name | KSRB 2-2.1 **Earth work excavation for foundation of building,** culverts, water supply sanitary lines, and electrical conduits either pits or in trenches 1.5m and above in width, in **Ordinary** not exceeding 1.5m in depth including dressing bottom and sides of pits and trenches, stacking excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specifications.(Pg No 6-Item No 2.3 P.W.D. SR-2018-19) | |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | **Excavation for footings** | | | | | | | |
| | F1 | Cum | 1 | 4 | 2.4 | 2.7 | 2.5 | 64.80 |
| | F2 | Cum | 1 | 16 | 2.7 | 3 | 2.5 | 324.00 |
| | F3 | Cum | 1 | 6 | 3 | 3.4 | 2.5 | 153.00 |
| | F4 | Cum | 1 | 6 | 3.2 | 3.6 | 2.5 | 172.80 |
| | F5 | Cum | 1 | 4 | 2.2 | 2.5 | 2.5 | 55.00 |
| | **Size stone** | | | | | | | |
| | A2 to N2 | | | | | | | |
| | A to C | Cum | 1 | 1 | 3.05 | 1.5 | 2.5 | 11.44 |
| | C to D | Cum | 1 | 1 | 1.05 | 1.5 | 2.5 | 3.94 |
| | D to F | Cum | 1 | 1 | 3.42 | 1.5 | 2.5 | 12.83 |
| | F to I | Cum | 1 | 1 | 2.32 | 1.5 | 2.5 | 8.70 |
| | I to K | Cum | 1 | 1 | 3.42 | 1.5 | 2.5 | 12.83 |
| | L to N | Cum | 1 | 1 | 4.5 | 1.5 | 2.5 | 16.88 |
| | A8 to M8 | Cum | | | | | | |
| | B to C | Cum | 1 | 1 | 3.05 | 1.5 | 2.5 | 11.44 |
| | C to E | Cum | 1 | 1 | 2.90 | 1.5 | 2.5 | 10.88 |
| | E to G | Cum | 1 | 1 | 1.67 | 1.5 | 2.5 | 6.26 |
| | G to H | Cum | 1 | 1 | 0.6 | 1.5 | 2.5 | 2.25 |
| | H to J | Cum | 1 | 1 | 2.9 | 1.5 | 2.5 | 10.88 |
| | J to L | Cum | 1 | 1 | 2.89 | 1.5 | 2.5 | 10.84 |
| | L to M | Cum | 1 | 1 | 3.05 | 1.5 | 2.5 | 11.44 |
| | A3 to A5 & N3 to N5 | Cum | 1 | 2 | 4.798 | 1.35 | 2.5 | 32.39 |
| | A7 to A8 & N7 to N8 | Cum | 1 | 2 | 3.7 | 1.35 | 2.5 | 24.98 |
| | F1 to F3 & I1 to I3 | Cum | 1 | 2 | 2.498 | 1.35 | 2.5 | 16.86 |
| | | | | | **Total Qty Work Done** | | | 974.40 |
| | | | | | **Qty Paybel in this Bill** | | | 866.59 |
| | | Reserve Qty | | | | **Above Tender Qty** | | 107.81 |

For M/s. K. DAMODAR & Co.

Contactor

K. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

Consultants

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

### Raja Rajeshwari Nagar Project Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

### MEASUREMENT SHEET

| Bill No : | 1st RA bill | 10/09/2024 |
|---|---|---|

| Item No | 6 |
|---|---|
| Item Name | KSRB-3.2 : Providing and injecting chemical emulsion for **Pre-constructional Anti-Termite Treatment,** creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) **(Pg No 10-Item No 3.2 P.W.D. SR-2018-19)** |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | F1 | Sqm | 1 | 4 | 2 | 2.3 | | 18.4 |
| | F2 | Sqm | 1 | 16 | 2.3 | 2.6 | | 95.68 |
| | F3 | Sqm | 1 | 6 | 2.6 | 3 | | 46.8 |
| | F4 | Sqm | 1 | 6 | 2.8 | 3.2 | | 53.76 |
| | F5 | Sqm | 1 | 4 | 1.8 | 2.1 | | 15.12 |
| | **SSM A2 to N2** | | | | | | | |
| | A to C | Sqm | 1 | 1 | 3.65 | 0.9 | | 3.285 |
| | C to D | Sqm | 1 | 1 | 1.65 | 0.9 | | 1.485 |
| | D to F | Sqm | 1 | 1 | 4.02 | 0.9 | | 3.618 |
| | F to I | Sqm | 1 | 1 | 2.92 | 0.9 | | 2.628 |
| | I to K | Sqm | 1 | 1 | 4.02 | 0.9 | | 3.618 |
| | L to N | Sqm | 1 | 1 | 5.1 | 0.9 | | 4.59 |
| | **A8 to N8** | | | | | | | |
| | B to C | Sqm | 1 | 1 | 3.65 | 0.9 | | 3.285 |
| | C to E | Sqm | 1 | 1 | 3.50 | 0.9 | | 3.1491 |
| | E to G | Sqm | 1 | 1 | 2.271 | 0.9 | | 2.0439 |
| | G to H | Sqm | 1 | 1 | 2.2 | 0.9 | | 1.98 |
| | H to J | Sqm | 1 | 1 | 3.5 | 0.9 | | 3.15 |
| | J to L | Sqm | 1 | 1 | 3.49 | 0.6 | | 2.094 |
| | L to M | Sqm | 1 | 1 | 3.65 | 0.9 | | 3.285 |
| | A3 to A5 & N3 to N5 | Sqm | 1 | 1 | 5.398 | 0.75 | | 4.0485 |
| | A6 to A7 & N6 to N7 | Sqm | 1 | 1 | 0.5 | 0.75 | | 0.375 |
| | A7 to A8 & N7 to N8 | Sqm | 1 | 1 | 4.3 | 0.75 | | 3.225 |
| | F1 to F3 & I1 to I3 | Sqm | 1 | 1 | 3.098 | 0.75 | | 2.3235 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Plith beam | | | | | | | 0 |
| | PB1 B8 to C8 & B7 to C7 | Sqm | 1 | 2 | 5.4 | 0.2 | | 2.16 |
| | PB2 C8 to E8 & C7 to E7 | Sqm | 1 | 2 | 5.4 | 0.2 | | 2.16 |
| | PB3 F8 to G8 & F7 to G8 | Sqm | 1 | 2 | 5.4 | 0.2 | | 2.16 |
| | PB4 G8 to H8 & G7 to H9 | Sqm | 1 | 2 | 4.1 | 0.2 | | 1.64 |
| | PB8A G7toH7 | Sqm | 1 | 1 | 4.1 | 0.2 | | 0.82 |
| | PB5 H8 to J8 & H7 to J7 | Sqm | 1 | 2 | 5.4 | 0.2 | | 2.16 |
| | PB6 J8 to L8 & J7 to L7 | Sqm | 1 | 2 | 5.4 | 0.2 | | 2.16 |
| | PB7 L8 to M8 & L7 to M8 | Sqm | 1 | 2 | 5.4 | 0.2 | | 2.16 |
| | PB8 | Sqm | | | | | | 0 |
| | A2 to C3 | Sqm | 1 | 1 | 8.35 | 0.2 | | 1.67 |
| | A6 to C6 | Sqm | 1 | 1 | 8.75 | 0.2 | | 1.75 |
| | PB9 | Sqm | | 1 | | | | 0 |
| | L2 to M2 | Sqm | 1 | 1 | 8.35 | 0.2 | | 1.67 |
| | L6 to M6 | Sqm | 1 | 1 | 8.75 | 0.2 | | 1.75 |
| | PB10 C5 to D5 | Sqm | 1 | 1 | 3.4 | 0.2 | | 0.68 |
| | PB11 D5 to F5 | Sqm | 1 | 1 | 6.37 | 0.2 | | 1.274 |
| | PB12 F5 to I5 | Sqm | 1 | 1 | 6.75 | 0.2 | | 1.35 |
| | PB13 I5 to K5 | Sqm | 1 | 1 | 6.37 | 0.2 | | 1.274 |
| | PB14 K5 to L5 | Sqm | 1 | 1 | 3.6 | 0.2 | | 0.72 |
| | PB15 C4 to D4 | Sqm | 1 | 1 | 3.4 | 0.2 | | 0.68 |
| | PB16 D4 to F4 | Sqm | 1 | 1 | 6.37 | 0.2 | | 1.274 |
| | | Sqm | 1 | 2 | 1.8 | 0.2 | | 0.72 |
| | PB17 F4 to I4 | Sqm | 1 | 1 | 6.75 | 0.2 | | 1.35 |
| | PB18 I4 to K4 | Sqm | 1 | 1 | 6.37 | 0.2 | | 1.274 |
| | | Sqm | 1 | 2 | 1.8 | 0.2 | | 0.72 |
| | PB19 K4 to L4 | Sqm | 1 | 1 | 3.6 | 0.2 | | 0.72 |
| | PB20 PORTICO | Sqm | 1 | 1 | 6.95 | 0.2 | | 1.39 |
| | | Sqm | 1 | 2 | 5.9 | 0.2 | | 2.36 |
| | PB21 | Sqm | 1 | 1 | 9.97 | 0.2 | | 1.994 |
| | PB22 | Sqm | 1 | 1 | 7.15 | 0.2 | | 1.43 |
| | PB33 | Sqm | 1 | 1 | 9.97 | 0.2 | | 1.994 |
| | PB34 | Sqm | 1 | 1 | 7.15 | 0.2 | | 1.43 |
| | PB23 | Sqm | 1 | 1 | 1.85 | 0.2 | | 0.37 |
| | PB24 | Sqm | 1 | 1 | 5.2 | 0.2 | | 1.04 |
| | PB25 | Sqm | 1 | 5 | 2.76 | 0.2 | | 2.76 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | PB26 | Sqm | 1 | 1 | 7.15 | 0.2 | | 1.43 |
| | PB27 | Sqm | 1 | 5 | 6.75 | 0.2 | | 6.75 |
| | PB28 | Sqm | 1 | 5 | 7.15 | 0.2 | | 7.15 |
| | PB29 | Sqm | 1 | 1 | 1.85 | 0.2 | | 0.37 |
| | PB30 | Sqm | 1 | 1 | 5.2 | 0.2 | | 1.04 |
| | PB31 | Sqm | 1 | 1 | 2.76 | 0.2 | | 0.552 |
| | PB32 | Sqm | 1 | 1 | 7.15 | 0.2 | | 1.43 |
| | **OUT SIDE PROJECTION** | | | | | | | 0 |
| | | Sqm | 1 | 10 | 1.45 | 0.2 | | 2.9 |
| | | Sqm | 1 | 1 | 1.5 | 0.2 | | 0.3 |
| | | Sqm | 1 | 1 | 2.05 | 0.2 | | 0.41 |
| | **Ground Floor** | | | | | | | 0 |
| | Room 01,02,03,04,05, | Sqm | 1 | 6 | 5.4 | 6.75 | | 218.7 |
| | Landscape | Sqm | 1 | 1 | 2.3 | 4.1 | | 9.43 |
| | corridor | Sqm | 1 | 2 | 2.15 | 2.75 | | 11.83 |
| | | Sqm | 1 | 2 | 2.15 | 5.4 | | 23.22 |
| | | Sqm | 1 | 4 | 2.76 | 5.4 | | 59.62 |
| | | Sqm | 1 | 1 | 2.76 | 4.1 | | 11.32 |
| | Room 06 | Sqm | 1 | 2 | 1.3 | 7.62 | | 19.81 |
| | | Sqm | 1 | 2 | 6.85 | 7.62 | | 104.39 |
| | Staircase | Sqm | 1 | 2 | 3.4 | 4.8 | | 32.64 |
| | Office 1&2 | Sqm | 1 | 2 | 6.17 | 6.3 | | 77.74 |
| | Lobby | Sqm | 1 | 1 | 6.55 | 6.3 | | 41.27 |
| | Portico | Sqm | 1 | 1 | 6.55 | 5.89 | | 38.58 |
| | | | | | | **Total Qty Work Done** | | 997.88 |
| | | | | | | **Qty Payble in this Bill** | | 811.32 |
| | | Reserve Qty | | | | **Above Tender Qty** | | 186.56 |

For M/s. K. DAMODAR & Co.

Contractor

MANJUNATH
Managing Partner

CIVIL QUALITY CONSULTANTS ENGINEERS Bangalore

Consultants

10/09/2024

Assitant Engineer
Ward No-16,
BBMP

10/09/2024

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

### Raja Rajeshwari NagarDivision

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

### MEASUREMENT SHEET

| Bill No : | 1st RA bill 11/09/2021 |
|---|---|
| Item No | 89 |
| Item Name | Providing and filling in foundation / below flooring with granite / trap broken metal 100mm and down size with approved quality sand including hand packing, ramming, watering, including the cost of all materials and labour with all lead and lift complete. (PWD-SR 2018-19, P.7 I No.2.15) |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | F1 | Cum | 1 | 4 | 2.2 | 2.5 | 0.2 | 4.4 |
| | F2 | Cum | 1 | 16 | 2.5 | 2.8 | 0.2 | 22.40 |
| | F3 | Cum | 1 | 6 | 2.8 | 3.2 | 0.2 | 10.752 |
| | F4 | Cum | 1 | 6 | 3 | 3.4 | 0.2 | 12.24 |
| | F5 | Cum | 1 | 4 | 2 | 2.3 | 0.2 | 3.68 |
| | **SSM A2 to M2** | | | | | | | |
| | A to C | Cum | 1 | 1 | 3.65 | 1.3 | 0.2 | 0.95 |
| | C to D | Cum | 1 | 1 | 1.65 | 1.3 | 0.2 | 0.43 |
| | D to F | Cum | 1 | 1 | 4.02 | 1.3 | 0.2 | 1.05 |
| | F to I | Cum | 1 | 1 | 2.92 | 1.3 | 0.2 | 0.76 |
| | I to K | Cum | 1 | 1 | 4.02 | 1.3 | 0.2 | 1.05 |
| | L to N | Cum | 1 | 1 | 5.1 | 1.3 | 0.2 | 1.33 |
| | **A8 to N8** | | | | | | 0.2 | 0.00 |
| | B to C | Cum | 1 | 1 | 3.65 | 1.3 | 0.2 | 0.95 |
| | C to E | Cum | 1 | 1 | 3.50 | 1.3 | 0.2 | 0.91 |
| | E to G | Cum | 1 | 1 | 2.27 | 1.3 | 0.2 | 0.59 |
| | G to H | Cum | 1 | 1 | 2.2 | 1.3 | 0.2 | 0.57 |
| | H to J | Cum | 1 | 1 | 3.5 | 1.3 | 0.2 | 0.91 |
| | J to L | Cum | 1 | 1 | 3.49 | 1.3 | 0.2 | 0.91 |
| | L to M | Cum | 1 | 1 | 3.65 | 1.3 | 0.2 | 0.95 |
| | A3 to A5 & N3 to N5 | Cum | 1 | 2 | 5.398 | 1.15 | 0.2 | 2.48 |
| | A6 to A7 & N6 to N7 | Cum | 1 | 2 | 0.5 | 1.15 | 0.2 | 0.23 |
| | A7 to A8 & N7 to N8 | Cum | 1 | 2 | 4.3 | 1.15 | 0.2 | 1.98 |
| | F1 to F3 & I1 to I3 | Cum | 1 | 2 | 3.098 | 1.15 | 0.2 | 1.43 |
| | | | | | **Total Qty Work Done** | | | 70.93 |
| | | | | | **QTY Payble in this Bill** | | | 67.50 |
| | | | Reserve Qty | | | **Above Tender Qty** | | 3.43 |

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

Consultants
Bangalore

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

### Raja Rajeshwari Naga Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

### MEASUREMENT SHEET

| Bill No : | 1st RA bill | | | | | | | 15/09/2024 |
|---|---|---|---|---|---|---|---|---|
| Item No | 7 | | | | | | | |
| Item Name | KSRB 4-1.2 Providing and Laying in position plain cement concrete of Mix 1:3:6 with OPC Cement @180kgs with 40mm down size graded granite metal coarse aggregate 0.85cum and fine aggregate @ 0.57Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth, including cost of materilas, HOM of machineries, curing complete as per specification. **(Issue rate as on date 21-10-19, Item No. 4.2)** | | | | | | | |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | F1 | Cum | 1 | 4 | 2 | 2.3 | 0.1 | 1.84 |
| | F2 | Cum | 1 | 16 | 2.3 | 2.6 | 0.1 | 9.57 |
| | F3 | Cum | 1 | 6 | 2.6 | 3 | 0.1 | 4.68 |
| | F4 | Cum | 1 | 6 | 2.8 | 3.2 | 0.1 | 5.38 |
| | F5 | Cum | 1 | 4 | 1.8 | 2.1 | 0.1 | 1.51 |
| | **SSM A2 to M2** | | | | | | | 0 |
| | A to C | Cum | 1 | 1 | 3.65 | 0.9 | 0.1 | 0.33 |
| | C to D | Cum | 1 | 1 | 1.65 | 0.9 | 0.1 | 0.15 |
| | D to F | Cum | 1 | 1 | 4.02 | 0.9 | 0.1 | 0.36 |
| | F to I | Cum | 1 | 1 | 2.92 | 0.9 | 0.1 | 0.26 |
| | I to K | Cum | 1 | 1 | 4.02 | 0.9 | 0.1 | 0.36 |
| | L to N | Cum | 1 | 1 | 5.1 | 0.9 | 0.1 | 0.46 |
| | **A8 to N8** | | | | | | | |
| | B to C | Cum | 1 | 1 | 3.65 | 0.9 | 0.1 | 0.33 |
| | C to E | Cum | 1 | 1 | 3.50 | 0.9 | 0.1 | 0.31 |
| | E to G | Cum | 1 | 1 | 2.271 | 0.9 | 0.1 | 0.20 |
| | G to H | Cum | 1 | 1 | 2.2 | 0.9 | 0.1 | 0.20 |
| | H to J | Cum | 1 | 1 | 3.5 | 0.9 | 0.1 | 0.32 |
| | J to L | Cum | 1 | 1 | 3.49 | 0.6 | 0.1 | 0.21 |
| | L to M | Cum | 1 | 1 | 3.65 | 0.9 | 0.1 | 0.33 |
| | A3 to A5 & N3 to N5 | Cum | 1 | 2 | 5.398 | 0.75 | 0.1 | 0.81 |
| | A6 to A7 & N6 to N7 | Cum | 1 | 2 | 0.5 | 0.75 | 0.1 | 0.08 |
| | A7 to A8 & N7 to N8 | Cum | 1 | 2 | 4.3 | 0.75 | 0.1 | 0.65 |
| | F1 to F3 & I1 to I3 | Cum | 1 | 2 | 3.098 | 0.75 | 0.1 | 0.46 |
| | **plith beam** | | | | | | | |
| | PB1 B8 to C8 & B7 to C7 | Cum | 1 | 1 | 5.4 | 0.2 | 0.1 | 0.11 |
| | PB2 C8 to E8 & C7 to E7 | Cum | 1 | 1 | 5.4 | 0.2 | 0.1 | 0.11 |
| | PB3 F8 to G8 & F7 to G8 | Cum | 1 | 1 | 5.4 | 0.2 | 0.1 | 0.11 |
| | PB4 G8 to H8 & G7 to H9 | Cum | 1 | 1 | 4.1 | 0.2 | 0.1 | 0.08 |
| | PB8A G7toH7 | Cum | 1 | 1 | 4.1 | 0.2 | 0.1 | 0.08 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | PB5 H8 to J8 & H7 to J7 | Cum | 1 | 1 | 5.4 | 0.2 | 0.1 | 0.11 |
| | PB6 J8 to L8 & J7 to L7 | Cum | 1 | 1 | 5.4 | 0.2 | 0.1 | 0.11 |
| | PB7 L8 to M8 & L7 to M8 | Cum | 1 | 1 | 5.4 | 0.2 | 0.1 | 0.11 |
| | PB8 | | | | | | | |
| | B6 to C6 | Cum | 1 | 1 | 6.85 | 0.3 | 0.1 | 0.21 |
| | A6 to B6 | Cum | 1 | 1 | 1.3 | 0.3 | 0.1 | 0.04 |
| | PB9 | | | | | 0.3 | 0.1 | 0 |
| | L6 to M6 | Cum | 1 | 1 | 6.85 | 0.3 | 0.1 | 0.21 |
| | M6 to N6 | Cum | 1 | 1 | 1.3 | 0.3 | 0.1 | 0.04 |
| | PB10 C5 to D5 | Cum | 1 | 1 | 3.4 | 0.3 | 0.1 | 0.10 |
| | PB11 D5 to F5 | Cum | 1 | 1 | 6.17 | 0.3 | 0.1 | 0.19 |
| | PB12 F5 to I5 | Cum | 1 | 1 | 6.55 | 0.3 | 0.1 | 0.20 |
| | PB13 I5 to K5 | Cum | 1 | 1 | 6.17 | 0.3 | 0.1 | 0.19 |
| | PB14 K5 to L5 | Cum | 1 | 1 | 3.4 | 0.3 | 0.1 | 0.10 |
| | PB23 | Cum | 1 | 1 | 1.85 | 0.3 | 0.1 | 0.06 |
| | PB24 | Cum | 1 | 1 | 5.2 | 0.3 | 0.1 | 0.16 |
| | PB25 | Cum | 1 | 4 | 2.76 | 0.3 | 0.1 | 0.33 |
| | | Cum | 1 | 1 | 2.15 | 0.3 | 0.1 | 0.06 |
| | PB26 | Cum | 1 | 1 | 6.2 | 0.3 | 0.1 | 0.19 |
| | PB27 | Cum | 1 | 4 | 5.75 | 0.3 | 0.1 | 0.69 |
| | PB28 | Cum | 1 | 4 | 6.2 | 0.3 | 0.1 | 0.74 |
| | PB29 | Cum | 1 | 1 | 1.85 | 0.3 | 0.1 | 0.06 |
| | PB30 | Cum | 1 | 1 | 5.2 | 0.3 | 0.1 | 0.16 |
| | PB31 | Cum | 1 | 1 | 2.15 | 0.3 | 0.1 | 0.06 |
| | PB32 | Cum | 1 | 1 | 6.2 | 0.3 | 0.1 | 0.19 |
| | OUT SIDE PROJECTION | | | | | | | |
| | | Cum | 1 | 6 | 1.45 | 0.55 | 0.1 | 0.48 |
| | | Cum | 1 | 1 | 1.5 | 0.55 | 0.1 | 0.08 |
| | | Cum | 1 | 1 | 2.05 | 0.55 | 0.1 | 0.11 |
| | **Ground Floor** | | | | | | | |
| | Room 01,02,03,04,05, | Cum | 1 | 6 | 5.4 | 6.75 | 0.15 | 32.81 |
| | Landscape | Cum | 1 | 1 | 2.3 | 4.1 | 0.15 | 1.41 |
| | corridor | Cum | 1 | 2 | 2.15 | 2.75 | 0.15 | 1.77 |
| | | Cum | 1 | 2 | 2.15 | 5.4 | 0.15 | 3.48 |
| | | Cum | 1 | 4 | 2.76 | 5.4 | 0.15 | 8.94 |
| | | Cum | 1 | 1 | 2.76 | 4.1 | 0.15 | 1.70 |
| | Room 06,07 | Cum | 1 | 2 | 1.3 | 7.62 | 0.15 | 2.97 |
| | | Cum | 1 | 2 | 6.85 | 7.62 | 0.15 | 15.66 |
| | Staircase | Cum | 1 | 2 | 3.4 | 4.8 | 0.15 | 4.90 |
| | Office 1&2 | Cum | 1 | 2 | 6.17 | 6.3 | 0.15 | 11.66 |
| | Lobby | Cum | 1 | 1 | 6.55 | 6.3 | 0.15 | 6.19 |
| | Portico | Cum | 1 | 1 | 6.55 | 5.89 | 0.15 | 5.79 |
| | | | | | **Total Qty Work Done** | | | 131.51 |
| | | | | | **Qty Payble in thi Bill** | | | 119.55 |
| | | **Reserve Qty** | | | | **Above Tender Qty** | | 11.96 |

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

15/9/2021

Assistant Engineer
Ward No-16,
BBMP

Consultants

15/9/2021

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagara Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

MEASUREMENT SHEET

| Bill No : | 1st RA bill | | | | | | | 6/09/2024 |
|---|---|---|---|---|---|---|---|---|
| Item No | 71 | | | | | | | |
| Item Name | KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19) | | | | | | | |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | F1 | 10MM | 1 | 4 | 15 | 2 | 0.617 | 74.0 |
| | | | 1 | 4 | 13 | 2.3 | 0.617 | 73.8 |
| | F2 | 12MM | 1 | 18 | 17 | 2.3 | 0.888 | 625.0 |
| | | | 1 | 18 | 15 | 2.6 | 0.888 | 623.4 |
| | F3 | 12MM | 1 | 6 | 23 | 2.6 | 0.888 | 318.6 |
| | | | 1 | 6 | 20 | 3 | 0.888 | 319.7 |
| | F4 | 12MM | 1 | 6 | 24 | 2.8 | 0.888 | 358.0 |
| | | | 1 | 6 | 21 | 3.2 | 0.888 | 358.0 |
| | F5 | 10MM | 1 | 2 | 16 | 1.8 | 0.617 | 35.5 |
| | | | 1 | 2 | 13 | 2.2 | 0.617 | 35.3 |
| | **Plinth Bottom level** | | | | | | | |
| | C1 COLUMN | 12MM | 1 | 4 | 8 | 3.2 | 0.888 | 90.9 |
| | Strrups 190c/c | 8MM | 1 | 4 | 15 | 1.86 | 0.39 | 43.5 |
| | Strrups 190c/c | 8MM | 1 | 4 | 15 | 1.44 | 0.39 | 33.7 |
| | C2 COLUMN | 16MM | 1 | 18 | 10 | 3.2 | 1.58 | 910.1 |
| | Strrups 190c/c | 8MM | 1 | 18 | 15 | 1.86 | 0.39 | 195.9 |
| | Strrups 190c/c | 8MM | 1 | 18 | 15 | 1.44 | 0.39 | 151.6 |
| | Strrups 190c/c | 8MM | 1 | 18 | 15 | 1.14 | 0.39 | 120.0 |
| | C3 COLUMN | 20MM | 1 | 6 | 10 | 3.2 | 2.46 | 472.3 |
| | Strrups 190c/c | 8MM | 1 | 6 | 15 | 1.86 | 0.39 | 65.3 |
| | Strrups 190c/c | 8MM | 1 | 6 | 15 | 1.44 | 0.39 | 50.5 |
| | Strrups 190c/c | 8MM | 1 | 6 | 15 | 1.14 | 0.39 | 40.0 |
| | C4 COLUMN | 20MM | 1 | 6 | 12 | 3.2 | 2.46 | 566.8 |
| | Strrups 190c/c | 8MM | 1 | 6 | 15 | 1.86 | 0.39 | 65.3 |
| | Strrups 190c/c | 8MM | 1 | 6 | 15 | 1.44 | 0.39 | 50.5 |
| | Strrups 190c/c | 8MM | 1 | 6 | 15 | 1.14 | 0.39 | 40.0 |
| | C5 COLUMN | 16MM | 1 | 2 | 8 | 3.2 | 1.58 | 80.9 |
| | Strrups 190c/c | 8MM | 1 | 2 | 15 | 1.48 | 0.39 | 17.3 |
| | Strrups 190c/c | 8MM | 1 | 2 | 15 | 1.06 | 0.39 | 12.4 |
| | **Plinth to Roof level** | | | | | | | |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | C1 COLUMN | 12MM | 1 | 4 | 8 | 3.47 | 0.888 | 98.6 |
| | Strrups 190c/c | 8MM | 1 | 4 | 19 | 1.86 | 0.39 | 55.1 |
| | Strrups 190c/c | 8MM | 1 | 4 | 19 | 1.44 | 0.39 | 42.7 |
| | C2 COLUMN | 16MM | 1 | 18 | 10 | 3.47 | 1.58 | 986.9 |
| | Strrups 190c/c | 8MM | 1 | 18 | 19 | 1.86 | 0.39 | 248.1 |
| | Strrups 190c/c | 8MM | 1 | 18 | 19 | 1.44 | 0.39 | 192.1 |
| | Strrups 190c/c | 8MM | 1 | 18 | 19 | 1.14 | 0.39 | 152.1 |
| | C3 COLUMN | 20MM | 1 | 6 | 10 | 3.47 | 2.46 | 512.2 |
| | Strrups 190c/c | 8MM | 1 | 6 | 19 | 1.86 | 0.39 | 82.7 |
| | Strrups 190c/c | 8MM | 1 | 6 | 19 | 1.44 | 0.39 | 64.0 |
| | Strrups 190c/c | 8MM | 1 | 6 | 19 | 1.14 | 0.39 | 50.7 |
| | C4 COLUMN | 20MM | 1 | 6 | 12 | 3.47 | 2.46 | 614.6 |
| | Strrups 190c/c | 8MM | 1 | 6 | 19 | 1.86 | 0.39 | 82.7 |
| | Strrups 190c/c | 8MM | 1 | 6 | 19 | 1.44 | 0.39 | 64.0 |
| | Strrups 190c/c | 8MM | 1 | 6 | 19 | 1.14 | 0.39 | 50.7 |
| | C5 COLUMN | 16MM | 1 | 2 | 8 | 3.47 | 1.58 | 87.7 |
| | Strrups 190c/c | 8MM | 1 | 2 | 19 | 1.48 | 0.39 | 21.9 |
| | Strrups 190c/c | 8MM | 1 | 2 | 19 | 1.06 | 0.39 | 15.7 |
| | **PB1 B8 to M8** | 12MM | 1 | 1 | 4 | 38.89 | 0.888 | 138.1 |
| | Ex.bar Ends | 12MM | 1 | 2 | 2 | 2.3 | 0.888 | 8.2 |
| | Ex.bar Midile | 12MM | 1 | 1 | 2 | 2.6 | 0.888 | 4.6 |
| | Ex.bar bottom | 12MM | 1 | 1 | 7 | 4.2 | 0.888 | 26.1 |
| | strrups c/c 150 | 8MM | 2 | 7 | 12 | 1.29 | 0.39 | 84.5 |
| | strrups c/c 150 | 8MM | 1 | 7 | 20 | 1.29 | 0.39 | 70.4 |
| | **PB1 A7 to N7** | 12MM | 1 | 1 | 4 | 44.39 | 0.888 | 157.7 |
| | Ex.bar Ends | 12MM | 1 | 2 | 2 | 2.3 | 0.888 | 8.2 |
| | Ex.bar Midile | 12MM | 1 | 1 | 2 | 2.6 | 0.888 | 4.6 |
| | Ex.bar bottom | 12MM | 1 | 1 | 7 | 4.2 | 0.888 | 26.1 |
| | strrups c/c 150 | 8MM | 2 | 7 | 12 | 1.29 | 0.39 | 84.5 |
| | strrups c/c 150 | 8MM | 1 | 7 | 20 | 1.29 | 0.39 | 70.4 |
| | strrups c/c 150 | 8MM | 1 | 2 | 11 | 1.29 | 0.39 | 11.1 |
| | **PB22 B7 to B8** | | | | | | | |
| | Top Bar | 16MM | 1 | 1 | 2 | 10.85 | 1.58 | 34.3 |
| | Bottom Bar | 16MM | 1 | 1 | 2 | 10.85 | 1.58 | 34.3 |
| | End Ex.Bar | 16MM | 1 | 1 | 2 | 3.15 | 1.58 | 10.0 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 8.63 | 1.58 | 27.3 |
| | strrups c/c 150 | 8MM | 1 | 2 | 14 | 1.29 | 0.39 | 14.1 |
| | strrups c/c 150 | 8MM | 1 | 1 | 19 | 1.29 | 0.39 | 9.6 |
| | **PB34 I7 to I8** | | | | | | | |
| | Top Bar | 16MM | 1 | 1 | 2 | 10.85 | 1.58 | 34.3 |
| | Bottom Bar | 16MM | 1 | 1 | 2 | 10.85 | 1.58 | 34.3 |
| | End Ex.Bar | 16MM | 1 | 1 | 2 | 3.15 | 1.58 | 10.0 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 8.63 | 1.58 | 27.3 |
| | strrups c/c 150 | 8MM | 1 | 2 | 14 | 1.29 | 0.39 | 14.1 |
| | strrups c/c 150 | 8MM | 1 | 1 | 19 | 1.29 | 0.39 | 9.6 |
| | **PB23 to PB26** | | | | | | | |
| | TOP Bar | 12MM | 1 | 1 | 2 | 19.22 | 0.888 | 34.1 |
| | Bottom Bar | 16MM | 1 | 1 | 2 | 19.22 | 1.58 | 60.7 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | End Ex.Bar | 16MM | 1 | 2 | 2 | 1.9 | 1.58 | 12.0 |
| | Midile Ex.Bar | 16MM | 1 | 3 | 2 | 3.1 | 1.58 | 29.4 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 1.6 | 1.58 | 5.1 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 3.47 | 1.58 | 11.0 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 1.65 | 1.58 | 5.2 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 5.45 | 1.58 | 17.2 |
| | strrups c/c 175 | 8MM | 1 | 1 | 4 | 1.29 | 0.39 | 2.0 |
| | strrups c/c 150 | 8MM | 1 | 2 | 6 | 1.29 | 0.39 | 6.0 |
| | strrups c/c 175 | 8MM | 1 | 1 | 11 | 1.29 | 0.39 | 5.5 |
| | strrups c/c 150 | 8MM | 1 | 2 | 12 | 1.29 | 0.39 | 12.1 |
| | strrups c/c 175 | 8MM | 1 | 1 | 5 | 1.29 | 0.39 | 2.5 |
| | strrups c/c 150 | 8MM | 1 | 2 | 6 | 1.29 | 0.39 | 6.0 |
| | strrups c/c 175 | 8MM | 1 | 1 | 17 | 1.29 | 0.39 | 8.6 |
| | strrups c/c 150 | 8MM | 1 | 2 | 14 | 1.29 | 0.39 | 14.1 |
| | **PB28** | | | | | | | |
| | TOP Bar | 12MM | 1 | 4 | 2 | 11.46 | 0.888 | 81.4 |
| | Bottom Bar | 12MM | 1 | 4 | 2 | 11.46 | 0.888 | 81.4 |
| | End Ex.Bar | 12MM | 1 | 4 | 2 | 5.92 | 0.888 | 42.1 |
| | Bottom Ex.Bar | 12MM | 1 | 4 | 2 | 5.8 | 0.888 | 41.2 |
| | strrups c/c 150 | 8MM | 2 | 4 | 14 | 1.29 | 0.39 | 56.3 |
| | strrups c/c 200 | 8MM | 1 | 4 | 11 | 1.29 | 0.39 | 22.1 |
| | strrups c/c 150 | 8MM | 1 | 4 | 19 | 1.29 | 0.39 | 38.2 |
| | **PB29 to PB32** | | | | | | | 0.0 |
| | TOP Bar | 12MM | 1 | 1 | 2 | 19.22 | 0.888 | 34.1 |
| | Bottom Bar | 12MM | 1 | 1 | 2 | 19.22 | 0.888 | 34.1 |
| | End Ex.Bar | 16MM | 1 | 2 | 2 | 1.9 | 1.58 | 12.0 |
| | Midile Ex.Bar | 16MM | 1 | 2 | 2 | 3.1 | 1.58 | 19.6 |
| | Midile Ex.Bar | 16MM | 1 | 1 | 2 | 3.5 | 1.58 | 11.1 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 1.25 | 1.58 | 4.0 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 1.55 | 1.58 | 4.9 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 2.85 | 1.58 | 9.0 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 4.9 | 1.58 | 15.5 |
| | strrups c/c 150 B29 | 8MM | 1 | 2 | 6 | 1.29 | 0.39 | 6.0 |
| | | 8MM | 1 | 1 | 2 | 1.29 | 0.39 | 1.0 |
| | strrups c/c 150 B30 | 8MM | 1 | 2 | 12 | 1.29 | 0.39 | 12.1 |
| | | 8MM | 1 | 1 | 7 | 1.29 | 0.39 | 3.5 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | strrups c/c 150 B31 | 8MM | 1 | 2 | 6 | 1.29 | 0.39 | 6.0 |
| | | 8MM | 1 | 1 | 5 | 1.29 | 0.39 | 2.5 |
| | strrups c/c 150 B32 | | 1 | 2 | 14 | 1.29 | 0.39 | 14.1 |
| | | 8MM | 1 | 1 | 17 | 1.29 | 0.39 | 8.6 |
| | **PB21 A2 to A7 & A'2 to A'7** | | | | | | | |
| | TOP Bar | 12MM | 2 | 1 | 2 | 11.54 | 0.888 | 41.0 |
| | Bottom Bar | 12MM | 2 | 1 | 2 | 11.54 | 0.888 | 41.0 |
| | Bottom Ex.Bar | 16MM | 2 | 1 | 2 | 6.72 | 1.58 | 42.5 |
| | strrups c/c 150 . | 8MM | 2 | 2 | 16 | 1.29 | 0.39 | 32.2 |
| | strrups c/c 150 | 8MM | 2 | 1 | 13 | 1.29 | 0.39 | 13.1 |
| | strrups c/c 150 | 8MM | 2 | 1 | 15 | 1.29 | 0.39 | 15.1 |
| | **PB8 A2 to C2** | | | | | | | |
| | TOP Bar | 12MM | 1 | 1 | 2 | 8.07 | 0.888 | 14.3 |
| | Bottom Bar | 12MM | 1 | 1 | 2 | 8.07 | 0.888 | 14.3 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 5.95 | 1.58 | 18.8 |
| | strrups c/c 150 | 8MM | 1 | 2 | 14 | 1.29 | 0.39 | 14.1 |
| | strrups c/c 150 | 8MM | 1 | 1 | 15 | 1.29 | 0.39 | 7.5 |
| | **PB9 L2 to N2** | | | | | | | |
| | TOP Bar | 12MM | 1 | 1 | 2 | 8.07 | 0.888 | 14.3 |
| | Bottom Bar | 12MM | 1 | 1 | 2 | 8.07 | 0.888 | 14.3 |
| | Bottom Ex.Bar . | 16MM | 1 | 1 | 2 | 5.95 | 1.58 | 18.8 |
| | strrups c/c 150 | 8MM | 1 | 2 | 14 | 1.29 | 0.39 | 14.1 |
| | strrups c/c 150 | 8MM | 1 | 1 | 15 | 1.29 | 0.39 | 7.5 |
| | **PB10 to PB14** | | | | | | | |
| | TOP Bar | 12MM | 1 | 1 | 2 | 27.71 | 0.888 | 49.2 |
| | Bottom Bar | 12MM | 1 | 1 | 2 | 27.71 | 0.888 | 49.2 |
| | Top Midile Ex.Bar | 16MM | 1 | 2 | 2 | 3.15 | 1.58 | 19.9 |
| | Midile Ex.Bar | 16MM | 1 | 2 | 2 | 4.1 | 1.58 | 25.9 |
| | Bottom Ex.Bar | 16MM | 1 | 2 | 2 | 2.7 | 1.58 | 17.1 |
| | Bottom Ex.Bar | 16MM | 1 | 2 | 2 | 4.87 | 1.58 | 30.8 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 5.15 | 1.58 | 16.3 |
| | strrups c/c 150 C5 to D5 | 8MM | 2 | 2 | 8 | 1.29 | 0.39 | 16.1 |
| | | 8MM | 2 | 1 | 8 | 1.29 | 0.39 | 8.0 |
| | strrups c/c 150 D5 TO F5&I5 TOK5 | 8MM | 2 | 2 | 14 | 1.29 | 0.39 | 28.2 |
| | | 8MM | 2 | 1 | 15 | 1.29 | 0.39 | 15.1 |
| | strrups c/c 150 F5 TO I5 | 8MM | 1 | 2 | 16 | 1.29 | 0.39 | 16.1 |
| | | 8MM | 1 | 1 | 14 | 1.29 | 0.39 | 7.0 |
| | **PB15 & PB19** | | | | | | | |
| | TOP Bar | 12MM | 1 | 1 | 2 | 4.62 | 0.888 | 8.2 |
| | Bottom Bar | 12MM | 1 | 1 | 2 | 4.62 | 0.888 | 8.2 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 2.5 | 1.58 | 7.9 |
| | strrups c/c 150 | 8MM | 1 | 2 | 8 | 1.29 | 0.39 | 8.0 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | strrups c/c 150 | 8MM | 1 | 1 | 8 | 1.29 | 0.39 | 4.0 |
| | **PB16 to PB18** | | | | | | | |
| | TOP Bar | 12MM | 1 | 1 | 2 | 20.51 | 0.888 | 36.4 |
| | Bottom Bar | 12MM | 1 | 1 | 2 | 20.51 | 0.888 | 36.4 |
| | Top Midile Ex.Bar | 16MM | 1 | 2 | 2 | 4.1 | 1.58 | 25.9 |
| | Bottom Ex.Bar | 16MM | 1 | 2 | 2 | 4.87 | 1.58 | 30.8 |
| | Bottom Ex.Bar | 16MM | 1 | 1 | 2 | 5.15 | 1.58 | 16.3 |
| | strrups c/c 150 D3 to F3 & I3toK3 | 8MM | 2 | 2 | 14 | 1.29 | 0.39 | 28.2 |
| | | 8MM | 2 | 1 | 15 | 1.29 | 0.39 | 15.1 |
| | strrups c/c 150 F3 to I3 | 8MM | 2 | 2 | 14 | 1.29 | 0.39 | 28.2 |
| | | 8MM | 2 | 1 | 16 | 1.29 | 0.39 | 16.1 |
| | **PB28** | | | | | | | |
| | TOP Bar | 12MM | 1 | 4 | 2 | 8.07 | 0.888 | 57.3 |
| | Bottom Bar | 12MM | 1 | 4 | 2 | 8.07 | 0.888 | 57.3 |
| | Bottom Ex.Bar | 12MM | 1 | 4 | 2 | 5.4 | 0.888 | 38.4 |
| | strrups c/c 150 | 8MM | 2 | 4 | 16 | 1.29 | 0.39 | 64.4 |
| | strrups c/c 150 | 8MM | 1 | 4 | 10 | 1.29 | 0.39 | 20.1 |
| | **PB20 PORTICO** | | | | | | | |
| | TOP Bar F1 to I1 | 16MM | 1 | 1 | 2 | 7.77 | 1.58 | 24.6 |
| | Bottom Bar | 16MM | 1 | 1 | 2 | 7.77 | 1.58 | 24.6 |
| | Bottom Ex.Bar | 16MM | 1 | 2 | 2 | 5.65 | 1.58 | 35.7 |
| | strrups c/c 150 | 8MM | 1 | 2 | 8 | 1.29 | 0.39 | 8.0 |
| | strrups c/c 175 | 8MM | 1 | 1 | 24 | 1.29 | 0.39 | 12.1 |
| | TOP Bar F1 to 3 & I1 to I3 | 16MM | 2 | 1 | 2 | 7.12 | 1.58 | 45.0 |
| | Bottom Bar | 16MM | 2 | 1 | 2 | 7.12 | 1.58 | 45.0 |
| | Bottom Ex.Bar | 16MM | 2 | 2 | 2 | 3.4 | 1.58 | 43.0 |
| | strrups c/c 150 | 8MM | 2 | 2 | 8 | 1.29 | 0.39 | 16.1 |
| | strrups c/c 175 | 8MM | 2 | 1 | 13 | 1.29 | 0.39 | 13.1 |
| | **PB33 N2 to N7** | | | | | | | |
| | TOP Bar | 12MM | 2 | 1 | 2 | 11.54 | 0.888 | 41.0 |
| | Bottom Bar | 12MM | 2 | 1 | 2 | 11.54 | 0.888 | 41.0 |
| | Bottom Ex.Bar | 16MM | 2 | 1 | 2 | 6.72 | 1.58 | 42.5 |
| | strrups c/c 150 | 8MM | 2 | 2 | 16 | 1.29 | 0.39 | 32.2 |
| | strrups c/c 150 | 8MM | 2 | 1 | 13 | 1.29 | 0.39 | 13.1 |
| | strrups c/c 150 | 8MM | 2 | 1 | 15 | 1.29 | 0.39 | 15.1 |
| | **OUT SIDE PB** | | | | | | | |
| | PROJACTION A2,C2,D2,F2,I2,K2,L2,N2, B6,B8,N2,N6,M7,M8 | | | | | | | |
| | Top Bar | 12MM | 1 | 13 | 2 | 2.47 | 0.888 | 57.0 |
| | Bottom Bar | 12MM | 1 | 13 | 2 | 2.47 | 0.888 | 57.0 |
| | Top Bar | 12MM | 1 | 13 | 2 | 1.37 | 0.888 | 31.6 |
| | Bottom Bar | 12MM | 1 | 13 | 2 | 1.37 | 0.888 | 31.6 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | strrups c/c 150 | 8MM | 1 | 13 | 11 | 1.29 | 0.39 | 71.9 |
| | strrups c/c 150 | 8MM | 1 | 13 | 4 | 1.29 | 0.39 | 26.2 |
| | Top Bar | 12MM | 1 | 1 | 2 | 3.27 | 0.888 | 5.8 |
| | Bottom Bar | 12MM | 1 | 1 | 2 | 3.27 | 0.888 | 5.8 |
| | strrups c/c 150 | 8MM | 1 | 1 | 14 | 1.29 | 0.39 | 7.0 |
| | strrups c/c 150 | 8MM | 1 | 1 | 4 | 1.29 | 0.39 | 2.0 |
| | Top Bar | 12MM | 1 | 1 | 2 | 2.52 | 0.888 | 4.5 |
| | Bottom Bar | 12MM | 1 | 1 | 2 | 2.52 | 0.888 | 4.5 |
| | strrups c/c 150 | 8MM | 1 | 1 | 10 | 1.29 | 0.39 | 5.0 |
| | strrups c/c 150 | 8MM | 1 | 1 | 4 | 1.29 | 0.39 | 2.0 |
| | **STAIR CASE 1st FLIGHT** | | | | | | | |
| | Bottom beam | | | | | | | |
| | TOP Bar | 12MM | 1 | 2 | 2 | 4.6 | 0.888 | 16.3 |
| | Bottom Bar | 12MM | 1 | 2 | 2 | 4.6 | 0.888 | 16.3 |
| | Bottom Ex.Bar | 12MM | 1 | 2 | 2 | 2.7 | 0.888 | 9.6 |
| | strrups 150c/c | 8MM | 2 | 2 | 24 | 1.29 | 0.39 | 48.3 |
| | Waist slab first FLIGHT BC | 12MM | 2 | 1 | 12 | 5 | 0.888 | 106.6 |
| | Top extra bar | 12MM | 2 | 1 | 12 | 1.35 | 0.888 | 28.8 |
| | Bottom extra bar | 12MM | 2 | 1 | 12 | 1.1 | 0.888 | 23.4 |
| | Top extra bar | 12MM | 2 | 1 | 12 | 3 | 0.888 | 63.9 |
| | Distribution for waist slab | 8MM | 2 | 1 | 27 | 1.29 | 0.39 | 27.2 |
| | Distribution for landingslab | 8MM | 2 | 1 | 24 | 3.65 | 0.39 | 68.3 |
| | CHAIRS | 12MM | 2 | 1 | 20 | 1.25 | 0.888 | 44.4 |
| | **STAIR CASE 2nd FLIGHT** | | | | | | | |
| | Waist slab Second Flight Bottom | 12MM | 2 | 1 | 12 | 5 | 0.888 | 106.6 |
| | Top extra bar | 12MM | 2 | 1 | 12 | 1.35 | 0.888 | 28.8 |
| | Bottom extra bar | 12MM | 2 | 1 | 12 | 1.1 | 0.888 | 23.4 |
| | Top extra bar | 12MM | 2 | 1 | 12 | 3 | 0.888 | 63.9 |
| | Distribution for waist slab | 8MM | 2 | 1 | 27 | 1.29 | 0.39 | 27.2 |
| | Distribution for landingslab | 8MM | 2 | 1 | 24 | 3.65 | 0.39 | 68.3 |
| | CHAIRS | 12MM | 2 | 1 | 20 | 1.25 | 0.888 | 44.4 |
| | | | | | | | Kg | 13705.9 |
| | For M/s. K. DAMODAR & Co | | | | | | Tonne | 13.71 |

Contactor
D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

Consultants

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Abstract qty : 56.66 tonne
MB Entry : 56.66

16/9/2021



Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari NagarDivision

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

MEASUREMENT SHEET

| Bill No : | 1st RA bill | 18/09/2024 |
|---|---|---|

| Item No | 9 |
|---|---|
| Item Name | KSRB 4-6.1 : Providing and removing a **centering,** shuttering, strutting, propping etc.., and removal of form work for a foundation **footing** bases of column for mass concrete including cost of all materials, labours, complete as per specificatons **(Pg No 16-Item No 4.28@ P.W.D SR - 2018-19)** |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | **Centring for P.C.C** | | | | | | | |
| | F1 | Sqm | 2 | 4 | 2 | | 0.1 | 1.6 |
| | | Sqm | 2 | 4 | 2.3 | | 0.1 | 1.84 |
| | F2 | Sqm | 2 | 16 | 2.3 | | 0.1 | 7.36 |
| | | Sqm | 2 | 16 | 2.6 | | 0.1 | 8.32 |
| | F3 | Sqm | 2 | 6 | 2.6 | | 0.1 | 3.12 |
| | | Sqm | 2 | 6 | 3 | | 0.1 | 3.6 |
| | F4 | Sqm | 2 | 6 | 2.8 | | 0.1 | 3.36 |
| | | Sqm | 2 | 6 | 3.2 | | 0.1 | 3.84 |
| | F5 | Sqm | 2 | 4 | 1.8 | | 0.1 | 1.44 |
| | | Sqm | 2 | 4 | 2.1 | | 0.1 | 1.68 |
| | **Centring for Footing** | | | | | | | |
| | F1 | Sqm | 2 | 4 | 1.8 | | 0.5 | 7.2 |
| | | Sqm | 2 | 4 | 2.1 | | 0.5 | 8.4 |
| | F2 | Sqm | 2 | 16 | 2.1 | | 0.6 | 40.32 |
| | | Sqm | 2 | 16 | 2.4 | | 0.6 | 46.08 |
| | F3 | Sqm | 2 | 6 | 2.4 | | 0.75 | 21.6 |
| | | Sqm | 2 | 6 | 2.8 | | 0.75 | 25.2 |
| | F4 | Sqm | 2 | 6 | 2.6 | | 0.75 | 23.4 |
| | | Sqm | 2 | 6 | 3 | | 0.75 | 27 |
| | F5 | Sqm | 2 | 4 | 1.6 | | 0.5 | 6.4 |
| | | Sqm | 2 | 4 | 1.9 | | 0.5 | 7.6 |
| | **Centring for plinth beam bottom columns** | | | | | | | |
| | C1 | Sqm | 2 | 4 | 0.2 | | 1.7 | 2.72 |
| | | Sqm | 2 | 4 | 0.75 | | 1.7 | 10.2 |
| | C2 | Sqm | 2 | 18 | 0.2 | | 1.6 | 11.52 |
| | | Sqm | 2 | 18 | 0.75 | | 1.6 | 43.2 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | C3 | Sqm | 2 | 6 | 0.2 | | 1.45 | 3.48 |
| | | Sqm | 2 | 6 | 0.75 | | 1.45 | 13.05 |
| | C4 | Sqm | 2 | 6 | 0.2 | | 1.45 | 3.48 |
| | | Sqm | 2 | 6 | 0.75 | | 1.45 | 13.05 |
| | C5 | Sqm | 2 | 2 | 0.2 | | 1.6 | 1.28 |
| | | Sqm | 2 | 2 | 0.6 | | 1.6 | 3.84 |
| | | | | | Total Qty Work Done | | | 355.16 |
| | | | | | Qty Payble in this Bill | | | 269.40 |
| | | Reserve Qty | | | | Above Tender Qty | | 85.76 |

For M/s. K. RAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

18/9/2021

Assitant Engineer
Ward No-16,
BBMP .

Consultants

18/09/2021

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

### Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

### MEASUREMENT SHEET

| Bill No : | 1st RA bill 22/09/21 |
|---|---|
| Item No | 8 |
| Item Name | KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of **design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. **(Issue rate as on date 21-10-19, Item No. 4.12)** |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | F1 | Cum | 1 | 4 | 1.8 | 2.1 | 0.5 | 7.56 |
| | F2 | Cum | 1 | 18 | 2.1 | 2.4 | 0.6 | 54.43 |
| | F3 | Cum | 1 | 6 | 2.4 | 2.8 | 0.75 | 30.24 |
| | F4 | Cum | 1 | 6 | 2.6 | 3 | 0.75 | 35.1 |
| | F5 | Cum | 1 | 2 | 1.6 | 1.9 | 0.5 | 3.04 |
| | plinth beam bottom columns | | | | | | | |
| | C1 | cum | 1 | 4 | 0.2 | 0.75 | 1.7 | 1.02 |
| | C2 | cum | 1 | 18 | 0.2 | 0.75 | 1.6 | 4.32 |
| | C3 | cum | 1 | 6 | 0.2 | 0.75 | 1.45 | 1.31 |
| | C4 | cum | 1 | 6 | 0.2 | 0.75 | 1.45 | 1.31 |
| | C5 | cum | 1 | 2 | 0.2 | 0.6 | 1.6 | 0.38 |
| | | | | | | Total Qty | | 138.71 |

Chkd by

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

22/9/2021

Assitant Engineer
Ward No-16,
BBMP

CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

22/9/21

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

Date = ?

**BRUHAT BENGALURU MAHANAGARA PALIKE**

Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

MEASUREMENT SHEET

| Bill No : | 1st RA bill | | | | | | | 20/09/2021 |
|---|---|---|---|---|---|---|---|---|
| Item No | 13 | | | | | | | |
| Item Name | KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19) For Ground Floor | | | | | | | |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | C1 | Sqm | 2 | 4 | 0.2 | | 2.95 | 4.72 |
| | | Sqm | 2 | 4 | 0.75 | | 2.95 | 17.7 |
| | C2 | Sqm | 2 | 14 | 0.2 | | 2.95 | 16.52 |
| | | Sqm | 2 | 14 | 0.75 | | 2.95 | 61.95 |
| | | Sqm | 2 | 4 | 0.2 | | 2.7 | 4.32 |
| | | Sqm | 2 | 4 | 0.75 | | 2.7 | 16.2 |
| | C3 | Sqm | 2 | 4 | 0.2 | | 2.95 | 4.72 |
| | | Sqm | 2 | 4 | 0.75 | | 2.95 | 17.7 |
| | | Sqm | 2 | 2 | 0.2 | | 2.7 | 2.16 |
| | | Sqm | 2 | 2 | 0.75 | | 2.7 | 8.1 |
| | C4 | Sqm | 2 | 4 | 0.2 | | 2.7 | 4.32 |
| | | Sqm | 2 | 4 | 0.75 | | 2.7 | 16.2 |
| | | Sqm | 2 | 2 | 0.2 | | 2.7 | 2.16 |
| | | Sqm | 2 | 2 | 0.75 | | 2.7 | 8.1 |
| | C5 | Sqm | 2 | 2 | 0.2 | | 2.7 | 2.16 |
| | | Sqm | 2 | 2 | 0.6 | | 2.7 | 6.48 |
| | **STAIR CASE 1st FLIGHT** | | | | | | | |
| | Bottom Beam | Sqm | 2 | 2 | 3.4 | | 0.45 | 6.12 |
| | landing | Sqm | 2 | 1 | 1.5 | 3.7 | | 11.1 |
| | landing side | Sqm | 2 | 1 | 0.95 | | 0.15 | 0.285 |
| | waist slab | Sqm | 2 | 1 | 2.75 | 1.5 | | 8.25 |
| | Riser | Sqm | 2 | 11 | 1.5 | | 0.15 | 4.95 |
| | Sides | Sqm | 2 | 2 | 2.75 | | 0.3 | 3.3 |
| | Landing Beam | Sqm | 2 | 1 | 3.3 | 0.2 | | 1.32 |
| | | Sqm | 2 | 1 | 3.3 | | 0.45 | 2.97 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Sqm | 2 | 1 | 3.3 | | 0.6 | 3.96 |
| | Deduct | Sqm | 2 | 1 | 0.75 | 0.2 | | -0.3 |
| | STAIR CASE 2nd FLIGHT | | | | | | | |
| | waist slab | Sqm | 2 | 1 | 2.75 | 1.5 | | 8.25 |
| | Riser | Sqm | 2 | 11 | 1.5 | | 0.15 | 4.95 |
| | Sides | Sqm | 2 | 1 | 2.75 | | 0.3 | 1.65 |
| | | | | | | Total Qty | | ~~250.32~~ 251.94 |

above

Abstract @ 251.94 & MB Sheet

For M/s. K. DAMODAR & Co.

Contractor

D. MANJUNATH
Managing Partner

20/09/2024

Assitant Engineer
Ward No-16,
BBMP

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultants

20/09/2024

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

# BRUHAT BENGALURU MAHANAGARA PALIKE

## Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

## MEASUREMENT SHEET

| Bill No : | 1st RA bill | | | | | | | 25/09/2021 |
|---|---|---|---|---|---|---|---|---|
| Item No | 10 | | | | | | | |
| Item Name | KSRB 4.2.7 : **Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs,** with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. **(Issue rate as on date 21-10-19, Item No. 4.12)** | | | | | | | |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | **COLUMN Roof beam btm level** | | | | | | | |
| | C1 | Cum | 1 | 4 | 0.2 | 0.75 | 2.95 | 1.77 |
| | C2 | Cum | 1 | 14 | 0.2 | 0.75 | 2.95 | 6.195 |
| | C2 | Cum | 1 | 4 | 0.2 | 0.75 | 2.7 | 1.62 |
| | C3 | Cum | 1 | 4 | 0.2 | 0.75 | 2.95 | 1.77 |
| | C3 | Cum | 1 | 2 | 0.2 | 0.75 | 2.7 | 0.81 |
| | C4 | Cum | 1 | 4 | 0.2 | 0.75 | 2.95 | 1.77 |
| | | Cum | 1 | 2 | 0.2 | 0.75 | 2.7 | 0.81 |
| | C5 | Cum | 1 | 2 | 0.2 | 0.6 | 2.7 | 0.648 |
| | **STAIR CASE CONCRETE** | | | | | | | |
| | Bottom Beam | Cum | 2 | 1 | 3.4 | 0.2 | 0.45 | 0.612 |
| | waist slab | Cum | 2 | 2 | 2.75 | 1.5 | 0.15 | 2.475 |
| | Riser | Cum | 2 | 22 | 1.5 | 0.275 | (0+0.153)/2 | 1.38 |
| | Landing | Cum | 2 | 1 | 1.5 | 3.7 | 0.15 | 1.67 |
| | Landing Beam | Cum | 2 | 1 | 3.3 | 0.2 | 0.45 | 0.59 |
| | | | | | | | **Total Qty** | 22.12 |

For M/s R DAMODAR & Co.

Contactor
D MANJUNATHA
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

Consultants

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

25/09/2021



Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

### Raja Rajeshwari NagarDivision

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

### MEASUREMENT SHEET

| Bill No : | 1st RA bill | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Item No | 17 | | | | | | | |
| Item Name | KSRB 4.6.4: Providing and removing centring, shuttering,propping etc., and removal of form work for **vertical surface such as walls at any thickess, including attached pilastrers, buttresses, plinth and srring courses** cost of all materials,labour complete as per specifications, (page no 16 item 4.31 P.W.D SR -2018-19) | | | | | | | |
| S.N | Description of work | Unit | No | No | L | B | D | Qty |
| | Plith beam | | | | | | | |
| | PB1 B8 to C8 & B7 to C7 | Sqm | 2 | 2 | 5.4 | | 0.45 | 9.72 |
| | PB2 C8 to E8 & C7 to E7 | Sqm | 2 | 2 | 5.4 | | 0.45 | 9.72 |
| | PB3 F8 to G8 & F7 to G8 | Sqm | 2 | 2 | 5.4 | | 0.45 | 9.72 |
| | PB4 G8 to H8 & G7 to H9 | Sqm | 2 | 2 | 4.1 | | 0.45 | 7.38 |
| | PB8A G7toH7 | Sqm | 2 | 1 | 4.1 | | 0.45 | 3.69 |
| | PB5 H8 to J8 & H7 to J7 | Sqm | 2 | 2 | 5.4 | | 0.45 | 9.72 |
| | PB6 J8 to L8 & J7 to L7 | Sqm | 2 | 2 | 5.4 | | 0.45 | 9.72 |
| | PB7 L8 to M8 & L7 to M8 | Sqm | 2 | 2 | 5.4 | | 0.45 | 9.72 |
| | A'7 to B7 & M7 to N'7 | Sqm | 2 | 1 | 2.751 | | 0.45 | 2.48 |
| | A'7 to B7 & M7 to N'8 | Sqm | 2 | 1 | 2.951 | | 0.45 | 2.66 |
| | PB8 | Sqm | | | | | | 0.00 |
| | A2 to C3 | Sqm | 1 | 2 | 8.35 | | 0.45 | 7.52 |
| | A6 to C6 | Sqm | 1 | 2 | 8.35 | | 0.45 | 7.52 |
| | Deduct | Sqm | 1 | 3 | 0.2 | | 0.45 | -0.27 |
| | PB9 | Sqm | 2 | | | | | 0.00 |
| | L2 to M2 | Sqm | 2 | 1 | 8.35 | | 0.45 | 7.52 |
| | L6 to M6 | Sqm | 2 | 1 | 8.75 | | 0.45 | 7.88 |
| | Deduct | Sqm | 1 | 3 | 0.2 | | 0.45 | -0.27 |
| | PB10 C5 to D5 | Sqm | 2 | 1 | 3.4 | | 0.45 | 3.06 |
| | PB11 D5 to F5 | Sqm | 1 | 1 | 6.37 | | 0.45 | 2.87 |
| | PB11 D5 to F5 | Sqm | 1 | 1 | 6.17 | | 0.45 | 2.78 |
| | PB12 F5 to I5 | Sqm | 1 | 1 | 6.75 | | 0.45 | 3.04 |
| | PB12 F5 to I5 | Sqm | 1 | 1 | 6.55 | | 0.45 | 2.95 |
| | PB13 I5 to K5 | Sqm | 1 | 1 | 6.37 | | 0.45 | 2.87 |
| | PB13 I5 to K5 | Sqm | 1 | 1 | 6.17 | | 0.45 | 2.78 |
| | PB14 K5 to L5 | Sqm | 2 | 1 | 3.6 | | 0.45 | 3.24 |
| | PB15 C4 to D4 | Sqm | 2 | 1 | 3.4 | | 0.45 | 3.06 |
| | PB16 D4 to F4 | Sqm | 2 | 1 | 6.17 | | 0.45 | 5.55 |
| | PB17 F4 to I4 | Sqm | 2 | 1 | 6.55 | | 0.45 | 5.90 |
| | PB18 I4 to K4 | Sqm | 2 | 1 | 6.17 | | 0.45 | 5.55 |
| | PB19 K4 to L4 | Sqm | 2 | 1 | 3.6 | | 0.45 | 3.24 |
| | PB20 PORTICO | Sqm | 1 | 1 | 6.95 | | 0.45 | 3.13 |
| | | Sqm | 1 | 1 | 6.55 | | 0.45 | 2.95 |



Scanned with CamScanner

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Sqm | 2 | 1 | 5.9 | | 0.45 | 5.31 |
| | | Sqm | 2 | 1 | 6.1 | | 0.45 | 5.49 |
| | Deduct | Sqm | 2 | 1 | 0.2 | | 0.45 | -0.18 |
| | PB21 | Sqm | 1 | 1 | 10.37 | | 0.45 | 4.67 |
| | | Sqm | 1 | 1 | 9.97 | | 0.45 | 4.49 |
| | Deduct | Sqm | 1 | 4 | 0.2 | | 0.45 | -0.36 |
| | PB22 | Sqm | 2 | 1 | 9.9 | | 0.45 | 8.91 |
| | Deduct | Sqm | 1 | 4 | 0.2 | | 0.45 | -0.36 |
| | PB33 | Sqm | 1 | 1 | 10.37 | | 0.45 | 4.67 |
| | | Sqm | 1 | 1 | 9.97 | | 0.45 | 4.49 |
| | Deduct | Sqm | 1 | 4 | 0.2 | | 0.45 | -0.36 |
| | PB34 | Sqm | 2 | 1 | 9.9 | | 0.45 | 8.91 |
| | Deduct | Sqm | 1 | 4 | 0.2 | | 0.45 | -0.36 |
| | PB23 to PB26 | Sqm | 1 | 2 | 17.32 | | 0.45 | 15.59 |
| | Deduct | Sqm | 1 | 9 | 0.2 | | 0.45 | -0.81 |
| | PB27 | Sqm | 2 | 4 | 6.3 | | 0.45 | 22.68 |
| | Deduct | Sqm | 1 | 2 | 0.2 | | 0.45 | -0.18 |
| | PB28 | Sqm | 2 | 4 | 6.75 | | 0.45 | 24.30 |
| | | Sqm | 2 | 4 | 2.76 | | 0.45 | 9.94 |
| | PB29 to PB32 | Sqm | 1 | 2 | 17.32 | | 0.45 | 15.59 |
| | Deduct | Sqm | 1 | 9 | 0.2 | | 0.45 | -0.81 |
| | COLUMN | Sqm | 2 | | | | | 0.00 |
| | A8,C8,E8,G8,H8,J8,L8,M | Sqm | 1 | 8 | 1.3 | | 0.45 | 4.68 |
| | A2,C2,E2,J2,L2,N2 | Sqm | 1 | 6 | 1.3 | | 0.45 | 3.51 |
| | Deduct | Sqm | 1 | 8 | 0.2 | | 0.45 | -0.72 |
| | **OUT SIDE PROJECTION** | | | | | | | |
| | | Sqm | 1 | 13 | 2 | | 0.45 | 11.70 |
| | | Sqm | 1 | 13 | 1.75 | | 0.45 | 10.24 |
| | K line | Sqm | 1 | 1 | 2.05 | | 0.45 | 0.92 |
| | | Sqm | 1 | 1 | 1.65 | | 0.45 | 0.74 |
| | D line | Sqm | 1 | 1 | 2.6 | | 0.45 | 1.17 |
| | | Sqm | 1 | 1 | 2.2 | | 0.45 | 0.99 |
| | Deduct | | | | | | | |
| | | Sqm | 1 | 13 | 0.2 | | 0.45 | -1.17 |
| | | Sqm | 1 | 2 | 0.2 | | 0.45 | -0.18 |
| | | Sqm | 1 | 2 | 0.2 | | 0.45 | -0.18 |
| | | | | | **Total Qty Work Done** | | | 320.65 |
| | | | | | **Qty Payble in This Bill** | | | 283.03 |
| | | Reserve Qty | | | | **Above Tender Qty** | | 37.62 |

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

02/11/2021

Assitant Engineer
Ward No-16,
BBMP

CIVIL QUALITY CONSULTANTS & ENGINEERS
Bangalore
Consultants

02/11/2021

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

| BRUHAT BENGALURU MAHANAGARA PALIKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Raja Rajeshwari Nagar Division | | | | | | | | |
| **Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16** | | | | | | | | |
| MEASUREMENT SHEET | | | | | | | | |
| Bill No : | 1st RA bill 4/11/2024 | | | | | | | |
| Item No | 16 | | | | | | | |
| Item Name | KSRB 4.2.7 : **Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs,** with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. **(Issue rate as on date 21-10-19, Item No. 4.12)** | | | | | | | |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | **Plith beam** | | | | | | | |
| | PB1 B8 to C8 & B7 to C7 | Cum | 1 | 2 | 5.4 | 0.2 | 0.45 | 0.97 |
| | PB2 C8 to E8 & C7 to E7 | Cum | 1 | 2 | 5.4 | 0.2 | 0.45 | 0.97 |
| | PB3 F8 to G8 & F7 to G8 | Cum | 1 | 2 | 5.4 | 0.2 | 0.45 | 0.97 |
| | PB4 G8 to H8 & G7 to H9 | Cum | 1 | 2 | 4.1 | 0.2 | 0.45 | 0.74 |
| | PB8A G7toH7 | Cum | 1 | 1 | 4.1 | 0.2 | 0.45 | 0.37 |
| | PB5 H8 to J8 & H7 to J7 | Cum | 1 | 2 | 5.4 | 0.2 | 0.45 | 0.97 |
| | PB6 J8 to L8 & J7 to L7 | Cum | 1 | 2 | 5.4 | 0.2 | 0.45 | 0.97 |
| | PB7 L8 to M8 & L7 to M8 | Cum | 1 | 2 | 5.4 | 0.2 | 0.45 | 0.97 |
| | PB8 | | | | | | | 0.00 |
| | A2 to C3 | Cum | 1 | 1 | 8.35 | 0.2 | 0.45 | 0.75 |
| | A6 to C6 | Cum | 1 | 1 | 8.35 | 0.2 | 0.45 | 0.75 |
| | PB9 | | | | | | | 0.00 |
| | L2 to M2 | Cum | 1 | 1 | 8.35 | 0.2 | 0.45 | 0.75 |
| | L6 to M6 | Cum | 1 | 1 | 8.35 | 0.2 | 0.45 | 0.75 |
| | PB10 C5 to D5 | Cum | 1 | 1 | 3.4 | 0.2 | 0.45 | 0.31 |
| | PB11 D5 to F5 | Cum | 1 | 1 | 6.37 | 0.2 | 0.45 | 0.57 |
| | PB12 F5 to I5 | Cum | 1 | 1 | 6.75 | 0.2 | 0.45 | 0.61 |
| | PB13 I5 to K5 | Cum | 1 | 1 | 6.37 | 0.2 | 0.45 | 0.57 |
| | PB14 K5 to L5 | Cum | 1 | 1 | 3.6 | 0.2 | 0.45 | 0.32 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | PB15 C4 to D4 | Cum | 1 | 1 | 3.4 | 0.2 | 0.45 | 0.31 |
| | PB16 D4 to F4 | Cum | 1 | 1 | 6.37 | 0.2 | 0.45 | 0.57 |
| | PB17 F4 to I4 | Cum | 1 | 1 | 6.75 | 0.2 | 0.45 | 0.61 |
| | PB18 I4 to K4 | Cum | 1 | 1 | 6.37 | 0.2 | 0.45 | 0.57 |
| | PB19 K4 to L4 | Cum | 1 | 1 | 3.6 | 0.2 | 0.45 | 0.32 |
| | PB20 PORTICO | Cum | 1 | 1 | 6.95 | 0.2 | 0.45 | 0.63 |
| | | Cum | 1 | 2 | 5.9 | 0.2 | 0.45 | 1.06 |
| | PB21 | Cum | 1 | 1 | 10.37 | 0.2 | 0.45 | 0.93 |
| | PB22 | Cum | 1 | 1 | 10.1 | 0.2 | 0.45 | 0.91 |
| | PB33 | Cum | 1 | 1 | 10.37 | 0.2 | 0.45 | 0.93 |
| | PB34 | Cum | 1 | 1 | 10.1 | 0.2 | 0.45 | 0.91 |
| | PB23 to PB26 | Cum | 1 | 1 | 17.32 | 0.2 | 0.45 | 1.56 |
| | PB27 | Cum | 1 | 4 | 6.3 | 0.2 | 0.45 | 2.27 |
| | PB28 | Cum | 1 | 4 | 9.91 | 0.2 | 0.45 | 3.57 |
| | PB29 to PB32 | Cum | 1 | 1 | 17.32 | 0.2 | 0.45 | 1.56 |
| | **COLUMN** | | | | | | | 0.00 |
| | A8,C8,E8,G8,H8,J8,L8,M8 | Cum | 1 | 8 | 0.55 | 0.2 | 0.45 | 0.40 |
| | A2,C2,E2,J2,L2,N2 | Cum | 1 | 6 | 0.55 | 0.2 | 0.45 | 0.30 |
| | **OUT SIDE PROJECTION** | | | | | | | 0.00 |
| | | Cum | 1 | 13 | 1.8 | 0.2 | 0.45 | 2.11 |
| | | Cum | 1 | 1 | 1.85 | 0.2 | 0.45 | 0.17 |
| | | Cum | 1 | 1 | 2.4 | 0.2 | 0.45 | 0.22 |
| | | | | | **Total Qty Work Done** | | | 32.22 |
| | | | | | **Qty Payble in This Bill** | | | 28.84 |
| | | **Reserve Qty** | | | | **Above Tender Qty** | | 3.38 |

For M/s. K. DAMODAR & Co.
Contractor
D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-18,
BBMP

Consultants

Assistant Executive Engineer
Yeshwanthpura Sub-Division
BBMP



Scanned with CamScanner

# BRUHAT BENGALURU MAHANAGARA PALIKE

## Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 18**

## MEASUREMENT SHEET

| Bill No : | 1st RA bill | | | | | | |
|---|---|---|---|---|---|---|---|
| Item No | 18 | | | | | | |
| Item Name | ksrb 5.2-3 Providing and constructing **grinite /trap/basalt size stone masonry in foundation with cement motar 1:6 stone hammer dressed** in coursenot less than 20cm high bond stones at two m apart in each course including cost of materils ,lobour curing complete as per specification. **(Issue rate as on date 21-10-19, Item No. 5.6)** | | | | | | |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | 2 line | | | | | | | |
| | A to C | Cum | 1 | 1 | 3.65 | 0.9 | 0.8 | 2.63 |
| | | Cum | 1 | 1 | 5.40 | 0.75 | 0.4 | 1.62 |
| | C to D | Cum | 1 | 1 | 1.65 | 0.9 | 0.6 | 0.89 |
| | | Cum | 1 | 1 | 3.4 | 0.75 | 0.8 | 2.04 |
| | D to F | Cum | 1 | 1 | 4.02 | 0.9 | 0.6 | 2.17 |
| | | Cum | 1 | 1 | 6.17 | 0.75 | 0.8 | 3.70 |
| | F to I | Cum | 1 | 1 | 2.92 | 0.9 | 0.6 | 1.58 |
| | | Cum | 1 | 1 | 2.92 | 0.75 | 0.8 | 1.75 |
| | I to K | Cum | 1 | 1 | 4.02 | 0.9 | 0.6 | 2.17 |
| | | Cum | 1 | 1 | 5.07 | 0.75 | 0.8 | 3.04 |
| | L to N | Cum | 1 | 1 | 5.1 | 0.9 | 0.6 | 2.75 |
| | | Cum | 1 | 1 | 6.85 | 0.75 | 0.8 | 4.11 |
| | 8 line | | | | | | | 0.00 |
| | B to C | Cum | 1 | 1 | 3.65 | 0.9 | 0.6 | 1.97 |
| | | Cum | 1 | 1 | 5.4 | 0.75 | 0.8 | 3.24 |
| | C to E | Cum | 1 | 1 | 3.50 | 0.9 | 0.6 | 1.89 |
| | | Cum | 1 | 1 | 5.40 | 0.75 | 0.8 | 3.24 |
| | E to G | Cum | 1 | 1 | 2.271 | 0.9 | 0.6 | 1.23 |
| | | Cum | 1 | 1 | 4.171 | 0.75 | 0.8 | 2.50 |
| | G to H | Cum | 1 | 1 | 2.2 | 0.9 | 0.6 | 1.19 |
| | | Cum | 1 | 1 | 4.1 | 0.75 | 0.8 | 2.46 |
| | H to J | Cum | 1 | 1 | 3.5 | 0.9 | 0.6 | 1.89 |
| | | Cum | 1 | 1 | 5.4 | 0.75 | 0.8 | 3.24 |
| | J to L | Cum | 1 | 1 | 3.49 | 0.6 | 0.6 | 1.26 |



Scanned with CamScanner

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Cum | 1 | 1 | 5.39 | 0.75 | 0.8 | 3.23 |
| | L to M | Cum | 1 | 1 | 3.65 | 0.9 | 0.6 | 1.97 |
| | | Cum | 1 | 1 | 5.4 | 0.75 | 0.8 | 3.24 |
| | A3 to A5 & N3 to N5 | Cum | 1 | 2 | 5.398 | 0.75 | 0.6 | 4.86 |
| | | Cum | 1 | 2 | 7.048 | 0.75 | 0.8 | 8.46 |
| | A6 to A7 & N6 to N7 | Cum | 1 | 2 | 0.5 | 0.75 | 0.6 | 0.45 |
| | | Cum | 1 | 2 | 2.351 | 0.75 | 0.8 | 2.82 |
| | A7 to A8 & N7 to N8 | Cum | 1 | 2 | 4.3 | 0.75 | 0.6 | 3.87 |
| | | Cum | 1 | 2 | 6 | 0.75 | 0.6 | 5.40 |
| | F1 to F3 & I1 to I3 | Cum | 1 | 2 | 3.098 | 0.75 | 0.5 | 2.32 |
| | | Cum | 1 | 2 | 4.048 | 0.6 | 0.2 | 0.97 |
| | | Cum | 1 | 2 | 4.798 | 0.5 | 0.4 | 1.92 |
| | | | | | Total Qty Work Done | | | 92.08 |
| | | | | | Qty Payble in This Bill | | | 56.27 |
| | | Reserve Qty | | | | Above Tender Qty | | 35.81 |

For M/s. K. DAMODAR & Co.

Contactor

B. MANJUNATH
Managing Partner

22/10/2024

Assitant Engineer
Ward No-16,
BBMP

CIVIL QUALITY CONSULTANTS & ENGINEERS
Bangalore
Consultants

22/10/2024

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP



Scanned with CamScanner

# BRUHAT BENGALURU MAHANAGARA PALIKE

## Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

## MEASUREMENT SHEET

| | |
|---|---|
| Bill No : | 1st RA bill 23/10/2021 |
| Item No | 19 |
| Item Name | KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones hammer dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **(Issue rate as on date 21-10-19, Item No. 5.9)** |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | 2 line | | | | | | | |
| | A to C | Cum | 1 | 1 | 5.40 | 0.75 | 1 | 4.05 |
| | C to D | Cum | 1 | 1 | 3.4 | 0.75 | 1 | 2.55 |
| | D to F | Cum | 1 | 1 | 6.17 | 0.75 | 1 | 4.63 |
| | F to I | Cum | 1 | 1 | 5.33 | 0.75 | 1 | 4.00 |
| | I to K | Cum | 1 | 1 | 5.07 | 0.75 | 1 | 3.80 |
| | L to N | Cum | 1 | 1 | 6.85 | 0.75 | 1 | 5.14 |
| | 8 line | | | | | | | 0.00 |
| | B to C | Cum | 1 | 1 | 5.4 | 0.75 | 1 | 4.05 |
| | C to E | Cum | 1 | 1 | 5.40 | 0.75 | 1 | 4.05 |
| | E to G | Cum | 1 | 1 | 4.17 | 0.75 | 1 | 3.13 |
| | G to H | Cum | 1 | 1 | 4.1 | 0.75 | 1 | 3.08 |
| | H to J | Cum | 1 | 1 | 5.4 | 0.75 | 1 | 4.05 |
| | J to L | Cum | 1 | 1 | 5.39 | 0.75 | 1 | 4.04 |
| | L to M | Cum | 1 | 1 | 5.4 | 0.75 | 1 | 4.05 |
| | A3 to A5 & N3 to N5 | Cum | 1 | 2 | 7.05 | 0.75 | 1 | 10.57 |
| | A6 to A7 & N6 to N7 | Cum | 1 | 2 | 2.35 | 0.75 | 1 | 3.53 |
| | A7 to A8 & N7 to N8 | Cum | 1 | 2 | 6 | 0.75 | 1 | 9.00 |
| | F1 to F3 & I1 to I3 | Cum | 1 | 2 | 4.80 | 0.5 | 1 | 4.80 |
| | C3 to C4 & D3 to D'3 | Cum | 1 | 2 | 1.84 | 0.75 | 1.4 | 3.86 |
| | L3 to L4 & K3 to K'4 | Cum | 1 | 2 | 1.84 | 0.75 | 1.4 | 3.86 |
| | | | | | **Total Qty Work Done** | | | 86.23 |
| | | | | | **Qty Payble in This Bill** | | | 21.44 |
| | | | Reserve Qty | | | **Above Tender Qty** | | 64.79 |

For M/s. K. DAMODAR & Co.

Contractor
D. HARISHNATH
Managing Partner

23/10/2021

Assistant Engineer
Ward No-16,
BBMP

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultants

23/10/2021

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

## BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Division

**Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16**

MEASUREMENT SHEET

| Bill No : | 1st RA bill | | | | | | | 23/10/2021 |
|---|---|---|---|---|---|---|---|---|
| Item No | 20 | | | | | | | |
| Item Name | KSRB-15.2.2 **Providing ruled pointing to coursed stone masonry with cement mortar 1:3 ,** 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials,labour,curing complete as per specification. **(Issue rate as on date 21-10-19, Item No. 15.8)** | | | | | | | |

| S.N | Description of work | Unit | No | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|---|
| | 2 line | | | | | | | |
| | A to C | Cum | 1 | 1 | 5.40 | | 0.4 | 2.16 |
| | C to D | Cum | 1 | 1 | 3.4 | | 0.4 | 1.36 |
| | D to F | Cum | 1 | 1 | 6.17 | | 0.4 | 2.47 |
| | F to I | Cum | 1 | 1 | 5.329 | | 0.4 | 2.13 |
| | I to K | Cum | 1 | 1 | 5.07 | | 0.4 | 2.03 |
| | L to N | Cum | 1 | 1 | 6.85 | | 0.4 | 2.74 |
| | 8 line | | | | | | | 0.00 |
| | B to C | Cum | 1 | 1 | 5.4 | | 0.4 | 2.16 |
| | C to E | Cum | 1 | 1 | 5.40 | | 0.4 | 2.16 |
| | E to G | Cum | 1 | 1 | 4.171 | | 0.4 | 1.67 |
| | G to H | Cum | 1 | 1 | 4.1 | | 0.4 | 1.64 |
| | H to J | Cum | 1 | 1 | 5.4 | | 0.4 | 2.16 |
| | J to L | Cum | 1 | 1 | 5.39 | | 0.4 | 2.16 |
| | L to M | Cum | 1 | 1 | 5.4 | | 0.4 | 2.16 |
| | A3 to A5 & N3 to N5 | Cum | 1 | 2 | 7.048 | | 0.4 | 5.64 |
| | A6 to A7 & N6 to N7 | Cum | 1 | 2 | 2.351 | | 0.4 | 1.88 |
| | A7 to A8 & N7 to N8 | Cum | 1 | 2 | 6 | | 0.4 | 4.80 |
| | F1 to F3 & I1 to I3 | Cum | 1 | 2 | 4.798 | | 0.4 | 3.84 |
| | C3 to C4 | Cum | 2 | 2 | 1.84 | | 0.6 | 4.42 |
| | L3 to L4 & K3 to K4 | Cum | 2 | 2 | 1.84 | | 0.6 | 4.42 |
| | | | | | **Total Qty Work Done** | | | 51.98 |
| | | | | | **Qty Payble in This Bill** | | | 47.64 |
| | | **Reserve Qty** | | | | **Above Tender Qty** | | 4.34 |

For M/s. K. DAMODAR & Co.

Contractor

Managing Partner

23/10/2021

Assistant Engineer
Ward No-16,
BBMP

Consultants

23/10/2021

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner